
Product Data Sheet

Product Name: NUDT16 Human
 Cat. No.: GP22023
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Nudix (nucleoside diphosphate linked moiety X)-Type Motif 16; FLJ31265; FLJ34034; FLJ36248; U8 snoRNA-binding protein H29K; U8 snoRNA-decapping enzyme.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAGARRLELG EALALGSGWR HACHALLYAP DPGMLFGRIP LRYAILMQMR FDGRLGFP GG FVDTQDRSLE DGLNRELREE LGAAAAFRV ERTDYRSSHV GSGPRVVAHF YAKRLTLEEL LAVEAGATRA KDHGLEVLGL VRVPLYTLRD GVGGLPTFLE NSFISAREQ LLEALQDLGL LQSGSISGLK IPAHH		
Formulation	The NUDT16 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 100mM NaCl and 10% glycerol.		

Introduction

NUDT16 is nuclear nucleoside diphosphatase proteins restricted in foci in the nucleolus and nucleoplasm. NUDT16 is a RNA-decapping enzyme. It binds specifically to U8 snoRNA and can remove m7G and m227G caps from RNAs, rendering them substrates for 5'p-3'p exonucleases for degradation in vivo.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles

Background

NUDT16 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 215 amino acids (1-195a.a.) and having a molecular mass of 23.4kDa. NUDT16 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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